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ABSTRACT

This counselor's guide contains information for use in helping obtain apprenticeships. Although the focus of the guide is on apprentice training in New Jersey, it also contains general information of use to counselors in other locations. The first section contains an overview of apprenticeship training today and a discussion of the benefits of apprentice training. Described next are the operation of and general entrance requirements for apprentice training programs in New Jersey. Various steps to assist students in obtaining apprenticeships are explained, including identifying potential candidates, selecting an occupation, identifying an occupation as apprenticeable, determining student qualifications, determining job suitability, searching for the job, and making the final commitment. The first part of the guide consists of a listing of persons, places, and publications that can aid both counselors and students in the apprenticeship-search process. Appended to the guide are a list of occupations recognized as apprenticeable, a certificate of approval for apprenticeship training, a certificate of completion of apprenticeship, and an apprentice registration card. (MN)

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A COUNSELOR'S GUIDE TO APPRENTICE TRAINING

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FOREWORD

The role of the guidance counselor today has broadened. No longer can we hold to the criteria of the 1970s, when counselor competency was determined primarily by the number of students helped to enter colleges, along with the quality and academic reputation of those colleges.

Today, with increasing frequency, we are reminded that a college degree does not guarantee job security. In fact, the National Center for Education predicts that during the 1980s only one out of five job openings will require a college degree. There is no question that industry in this rapidly expanding technological age is not only looking for scientists and engineers, but also looking for highly trained craftspersons, tradespersons and technicians to transform the ideas of these scientists and engineers into finished products.

A counselor's work effort, therefore, must not focus solely on collegiate placement. Emphasis in the 1980s should be on promoting opportunities to learn about the new and emerging occupations of the future, occupations that will be spurred on by advancing technology, increased mechanization and dwindling economic resources.

"A Counselor's Guide to Apprentice Training" is a publication of the New Jersey State Department of Education, Division of Vocational Education and Career Preparation, prepared in cooperation with the New Jersey Department of Labor, Division of Employment Services. The guide is intended for use by those counselors who are eager to learn more about promoting alternate training opportunities. Apprentice training represents one such opportunity, which not only can satisfy the needs of industry in our state for highly trained craftspersons, tradespersons and technicians, but also can give our residents (based on an average pay increase of 10 percent per year) an opportunity to earn more than one million dollars in 30 years.

This publication will not provide all the answers to all potential questions about apprentice training. Combined, however, with the skill and assistance of dedicated guidance counselors, it will help educational institutions throughout the state meet their changing guidance responsibilities. We are grateful to the many persons who contributed to this important effort.

William Wenzel, Ed.D.
Assistant Commissioner of Education
Division of Vocational Education
and Career Preparation

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PART I

APPRENTICESHIP: YESTERDAY AND TODAY

APPRENTICESHIP: YESTERDAY AND TODAY

In recent years it has become a painful economic reality that high school graduates with no specific career or trade preparation swell the ranks of the youthful unemployed. However, there is a seldom considered option available--apprentice training--which can strengthen the high school graduate's possibility of job success. As a high school counselor, you form an integral link between such training and the vocationally oriented student.

No one can promote any career training without first having a basic knowledge of what that training encompasses and what it can do to assist persons in pursuing their employment goals.

The general purpose of this part of the guide is to provide those responsible for supporting the guidance effort of youth with some basic information about apprentice training, including: background which cites historical information leading to the development of apprentice training as we know it today; an overview of apprenticeship today; and the benefits offered to those who choose to avail themselves of this type of training opportunity.

Background

Apprenticeship is a custom that goes back to antiquity when fathers handed down to their sons craft skills along with tribal lore. As far back as the Code of Hammurabi, there is evidence of the legal regulation of apprentices. Later, as economic life became more complex and jobs became more specialized, the practice of indenturing youths to craftspersons began. Increased specialization also fostered the banding together of craftspersons into guilds, a practice in which modern trade unions find their roots.

During the Middle Ages, the control of apprenticeship gradually passed from the guilds to the State, and in 1562 the first public apprenticeship law was enacted in England. In America, the apprenticeship system began when children from England were indentured to the early settlers in the manner of the English guilds. Under the law, the master was required to teach the apprentice reading, writing and arithmetic, as well as the skills of a trade. For young people who could not afford to attend the private schools of the period, apprenticeship was the primary way to obtain a formal education.

The Industrial Revolution of the 19th Century caused the manual crafts to decline in prominence and largely destroyed the personal relationship between master and apprentice in some trade areas. In 1937, the 75th Congress enacted the Fitzgerald Act. This act established the Federal Bureau of Apprenticeship and Training and gave to the U.S. Secretary of Labor the responsibility of formulating and promoting labor standards necessary to safeguard the welfare of apprentices.

An Overview of Apprenticeship Today

Today's highly organized system of apprenticeship has been in operation since 1937. This system uses on-the-job training and related theory instruction to help a worker learn a skilled craft, trade or technological occupation.

There are over 900 identified apprenticeable occupations at present with new ones being added as the need arises. They range from the age-old occupations such as horseshoer to the contemporary such as cable splicer, and from the familiar such as carpenter to the obscure such as orthotics technician.

No matter what the occupation, the federal government has established minimum basic training standards to enable an apprentice to develop the highest degree of skill possible and to protect the apprentice as an employed worker. Such standards include: a formally approved, written agreement between sponsor and apprentice to learn a single, specific occupation; closely supervised on-the-job training; a specified number of hours of related instruction; a specified time period for completion of training; a specified range of skill achievement; and a graduated wage schedule based on training progress.

The federal government also has established regulations on non-discrimination in apprentice training programs, and each state now has an equal opportunity plan consistent with these regulations in order to encourage entrance of women, minorities and handicapped persons into apprentice training programs.

While some progress has been made in the last two decades, many individuals, especially women, still do not consider the apprenticeship route. At present, out of 11,780 registered apprentices in New Jersey, only 290, or not quite 2.5 percent, are women. One reason for the failure of many women to investigate this type of training opportunity is the misconception that apprenticeships are limited to the construction trades. It is important that you, as counselor, inform female students about the wide range of apprenticeship opportunities, especially those in emerging fields such as electronics and energy.

Benefits of Apprentice Training

These days, when unemployment soars in a highly competitive job market and even qualified persons are frustrated by not being able to find suitable jobs, apprentice training offers gainful employment. And there is more.

Because of the regulated components of apprentice training programs, a young worker is offered an orderly way to be introduced to a job, to adjust to work, to be taught by both skilled journeypersons and certificated instructors, to use tools, machines, instruments and methods currently in use in a specific occupation, to learn while earning and to steadily advance in both skills and earnings.

Knowledge of these benefits is essential to recruiting high school students into apprentice training programs. It is your job as counselor to relay these benefits to those students who have an interest in pursuing a career in a skilled craft, trade or technological occupation.

PART II

PRACTICAL ASPECTS OF APPRENTICE TRAINING IN NEW JERSEY

PRACTICAL ASPECTS OF APPRENTICE TRAINING IN NEW JERSEY

Now that you have a general understanding of apprenticeship and its many benefits, you are ready to proceed to a more specific understanding of the practical aspects of apprentice training in New Jersey.

The primary purpose of this part of the guide, therefore, will be to provide you with a detailed operational description of New Jersey's apprentice training programs. Information on the minimum standards which must be met for admittance into such programs is also included in this section.

How Apprentice Training Programs Operate

In New Jersey apprentice training programs operate under the auspices of the Bureau of Apprenticeship and Training (BAT), an agency of the United States Department of Labor, and the Division of Vocational Education and Career Preparation (DVECP), an agency of the New Jersey State Department of Education. The BAT registers all of New Jersey's apprentice training programs, while the DVECP approves the related curriculum which comprises individual programs. Those who train under apprenticeships, therefore, are dual participants in the National Apprenticeship Training Program and the New Jersey Apprenticeship Training Program.

Actual training is carried out by a "sponsor," in accordance with standards jointly developed by the sponsor and designated representatives from the BAT and DVECP. In lay terms, a sponsor is an employer and may be organized labor, a corporation or large company, or an individual small employer.

Before training starts, both apprentice and sponsor sign a written agreement which provides that the training and experience received be in accordance with both federal and state standards of apprenticeship (see following page). Completion and filing of this agreement is aided by either the county or local apprentice coordinator, employed by a public school district, or a local area training representative from the BAT.

Shortly thereafter, the employer will receive a "Certificate of Approval for Apprentice Training," which approves the employer as a recognized sponsor of apprentice training, and the employee will receive an "Apprentice Training Card," which identifies the individual as a bona fide apprentice with all accompanying rights and privileges (see Appendix). Both employer and employee will also receive a copy of the signed, formal agreement along with a "Work Process," which is the apprentice's training program outlined in general terms. A sample "Work Process" is provided at the end of this section.

The training period for programs registered in New Jersey is not less than 2,000 hours nor more than 10,000 hours, with the average program running between 6,000 to 8,000 hours. Apprentice training programs are comprised of both on-the-job training and related theory instruction. The importance of related instruction cannot be overemphasized, since it is through a carefully planned combination of on-the-job training and related theory instruction that a person becomes a master craftsman, tradesperson or technician.

SAMPLE APPRENTICESHIP AGREEMENT

UNITED STATES DEPARTMENT OF LABOR
BUREAU OF APPRENTICESHIP AND TRAINING
ROOM 838-878 BROAD STREET
NEWARK, NEW JERSEY 07102

☐ New Program
☐ Reg.
☐ Rev.

☐ Vet.
☐ Non Vet.
☐ Student-Learner

STATE OF NEW JERSEY
DEPARTMENT OF EDUCATION
DIVISION OF VOCATIONAL EDUCATION
AND CAREER PREPARATION
225 WEST STATE STREET
TRENTON, NEW JERSEY 08636

APPRENTICESHIP STANDARDS/APPRENTICESHIP AGREEMENT JOINT APPROVAL

WORK PROCESSES MUST BE ATTACHED AS REQUIRED

PRIVACY ACT STATEMENT: The information requested herein is used for apprenticeship program statistical purposes and may not be otherwise disclosed without the express permission of the undersigned apprentice. Privacy Act of 1974 - L.L. 93-579, NJAC 8-3.20.

1. Social Security No.		2. Name		3. Date	
3. Street Address		4. City		5. State	
6. Zip Code		7. App. Municipal Code		8. Sex	
9. Ethnic Group		10. Vnt. Status		11. Military Def. Status	
12. Seen Overseas/Travel		13. D.O.B. Code		14. Trade Occ. Title	
15. Federal Registration No.		16. Date Registered		17. I have read and understand the conditions of the apprenticeship standards/apprenticeship agreement.	
18. Signature		19. Date		20. County	
21. Union Affiliated		22. Employer Name		23. City	
24. Street Address		25. State		26. Zip Code	
27. Telephone Number		28. Length of Program (Months)		29. Date Apprenticeship Began	
30. Prior Credit Employment		31. Prior Credit Related Training		32. Public Vocational School Related Training	
33. Number of Journeyworkers		34. Ratio: 1 Apprentice to		35. Journeyworkers	
36. Authorizing apprentices		37. Job Site		38. Work Force	
39. Department		40. Plant		41. Wage Schedule	
42. 1st period \$		43. 5th period \$		44. 9th period \$	
45. 2nd period \$		46. 6th period \$		47. 10th period \$	
48. 3rd period \$		49. 7th period \$		50. Probationary period	
51. 4th period \$		52. Rate of Overtime		53. months	
54. I have read and understand the conditions of the apprenticeship standards/apprenticeship agreement.					
55. Name and Title of Sponsor's Authorized Official (Print)		56. Signature		57. Date	
58. If Bargaining Agency (Print Name, Local Number)		59. Signature		60. Date	
61. Provision for related instructions					
62. Federal Representative			63. State Representative		
64. Registered with the Bureau of Apprenticeship and Training, United States Department of Labor, as incorporating the basic standards recommended by the Federal Committee of Apprenticeship.			65. Approved by the New Jersey Department of Education, Division of Vocational Education and Career Preparation as incorporating the basic standards set forth in the State Plan for Vocational Education and Career Preparation.		
66. Registered By: Bureau of Apprenticeship and Training, United States Department of Labor			67. Approved By: New Jersey Department of Education, Division of Vocational Education and Career Preparation		
68. Sponsor			69. Apprentice		
70. State			71. BAT-Nwk		
72. BAT-Fd			73. Coord		
74. BAT-Reg			75. Linkage		
76. STAY-USE: 38. Apprentice Co. L.E.A.			39. School Training Site Co. L.E.A.		
40. Coop. Program Co. L.E.A.			41. Cooperative Linkage Y/N		
77. Co-op Teacher Coordinator			78. Date		

Each day, on the job, an apprentice learns the practice of his/her occupation under the supervision of a skilled craftsperson, tradesperson or technician.

For a specified period each week, the apprentice receives a thorough understanding of the theoretical aspects of his or her work through related instruction. A minimum of 144 hours of such instruction for each year of an apprentice training program is required. This instruction is most frequently organized into three-hour periods, twice a week, during a 26-week school year. Related instruction is generally provided through a public school vocational program. In areas where there is no vocational program, instruction may be provided either in the local high school, or through a technical school, community college, in-plant training station or state-approved correspondence school. Adequate and safe equipment and facilities are furnished, and safety training for apprentices on the job and in related instruction is provided.

Detailed study and work records are kept, and the training progress of the apprentice is evaluated frequently.

Apprentice pay starts at a percentage of the skilled craftsperson's, tradesperson's or technician's pay, which cannot be less than minimum wage. Increases, commensurate with increased knowledge and ability, are received at regular intervals.

A probation period is part of all apprentice training programs. During the probation period, which usually runs between 30 days and six months, the apprenticeship agreement may be cancelled by either apprentice or sponsor without stated cause. After the probation period, the agreement may be cancelled by the sponsor for cause, or at the request of the apprentice.

Upon successful completion of the on-the-job training and related theory instruction, an apprentice is eligible to file for a "Certificate of Completion of Apprenticeship" from both the U.S. Department of Labor, Bureau of Apprenticeship and Training, and the New Jersey State Department of Education, Division of Vocational Education and Career Preparation (see Appendix). This certificate is granted only after both agencies verify that the training has been carried out in accordance with standards set forth in the apprenticeship agreement.

In addition to receiving a "Certificate of Completion of Apprenticeship," an apprentice may be eligible to receive between 24 and 32 hours of college credit upon completion of the training program. Such credit is available by evaluation through Thomas A. Edison College, New Jersey's college of external degree programs.

General Entrance Requirements

Requirements for entrance into an apprentice training program vary somewhat from sponsor to sponsor and from occupation to occupation. Generally, however, a potential candidate must meet the following minimum standards before being considered for an apprentice training slot:

Age:

- Attainment of the minimum legal working age, which is 16 for non-hazardous occupations and 18 for hazardous occupations.

Education:

- A high school diploma or its equivalency. Some sponsors waive this requirement.

Aptitude:

- Aptitude appropriate to the occupation. Aptitude tests are sometimes administered, especially for those programs sponsored by organized labor, to measure a person's capacity to acquire proficiency with training.

Manual Dexterity:

- At least ordinary manual dexterity. Tests to determine manual dexterity are sometimes administered, especially for those programs involving the construction trades, since an apprentice must work with both hands and head.

Health:

- The ability to accomplish the physical requirements of the craft, trade or technological occupation. Exams are sometimes given to determine an applicant's physical condition.

Attitude:

- A willingness to abide by the rules and regulations of the sponsor. Interviews are usually given to determine an applicant's attitude.

Other:

- Probationary and/or other preliminary employment requirements. Corporate-sponsored programs often set such requirements.

It should be noted that both the age requirement and the education requirement may be waived for students enrolled in approved cooperative vocational education programs. Qualified cooperative vocational education students may register in apprentice training programs prior to high school completion and prior to reaching the age of 18 through the School-to-Work Linkage Project, a program operated through the Division of Vocational Education and Career Preparation (see Part IV of this guide).

SAMPLE WORK PROCESS

BAKER
D.O.T. 526.381-010

	<u>Approx. Hours</u>
1. Cleaning and greasing pans, caring for machinery, cleaning utensils and room, personal cleanliness;	200
2. Handling, racking, filling, icing - doughnuts breads, cakes, coffee cakes, eclairs, cookies, cupcakes;	500
3. Mixing, making up, punching and picking out doughs, handling doughs, using machinery;	1,000
4. Rounding up bread and rolls, making up bread, rolls, etc., dropping out cupcakes, helping make pastry doughs, mixing doughnuts, cookies, various small cakes, scaling;	2,400
5. Dough room control, formula balance, temperature and times for baking;	800
6. Cake decorating;	200
7. Fermentation, ingredients, grades, conditioning, temperature and humidity in storage, scaling of ingredients, formulas, proof box control, special breads and cakes, bench work, cooling.	900
Total	<u>6,000</u>

The apprentice shall be constantly cautioned regarding safety practices.

PART III

ASSISTING STUDENTS IN OBTAINING APPRENTICESHIPS

Step 5: Determining Job Suitability

If the student meets the minimum qualifications for the occupation, your next step should be to assist the student in deciding whether or not he or she can successfully work under the conditions accompanying that occupation, some of which may be hazardous, noisy, strenuous or otherwise uncomfortable for that particular individual. Information on working conditions can be gotten by consulting the publications listed in Part IV of this guide. For more detailed information, the student should talk to someone employed in the craft, trade or technical area of his or her choice.

Step 6: Searching for the Job

Once the student feels comfortable with the occupation selected, your next step should be to assist the student in finding a job. Without the job, there is no "on-the-job training," and such training represents over 90 percent of the apprentice training program. Information on apprentice training opportunities can be secured through labor union or trade association postings, personnel offices of major corporations, New Jersey Job Service offices and newspapers.

It should be stressed, however, that many apprentice training opportunities, especially those with small businesses, are not listed anywhere because they don't exist until interested individuals make them exist. It is often up to the student to suggest an apprenticeship to an employer and to supply the employer with the information needed to initiate an apprenticeship.

It is your responsibility, as counselor, to make a student aware of his or her responsibility for getting an apprenticeship.

Step 7: Making the Final Commitment

Once the student has located an opportunity for apprentice training, your next step should be to refer the student to the county or local apprentice coordinator or the appropriate BAT area training representative to set up a meeting with the employer. At this meeting the training site and equipment will be reviewed and the requirements and responsibilities of both the employer as sponsor and the employee as apprentice will be discussed.

Assuming that there is a meeting of the minds between employer and student, the county or local apprentice coordinator or the BAT area training representative will assist the employer and student in completing and filing the formal apprenticeship agreement.

Documents Needed for Apprenticeship Registration

Employers often require certain documents before registering an individual in an apprentice training program. Students would do well to have such documents in hand at the time of the employment interview. Should the student be offered an apprenticeship, registration can be accomplished on the spot, thus avoiding the frustration of not being able to complete what was started that day.

ASSISTING STUDENTS IN OBTAINING APPRENTICESHIPS

Contrary to popular opinion, you do not have to know "someone" to secure an apprenticeship. You do, however, have to know "how."

The primary purpose of this part of this guide, therefore, will be to outline the steps a counselor can take to help a student secure an apprenticeship. A description of the various documents and records which may be needed by applicants for registration in an apprentice training program also appears in this section.

Step 1: Identifying Potential Candidates

Assuming that you have familiarized yourself with the preliminary information in this guide and are sold on apprenticeship, your first step should be to identify potential candidates for entrance into apprentice training programs. This can be done by working with teachers of vocational education in all program areas, including, but not limited to, shop and industrial arts teachers as well as cooperative vocational education coordinators. Any student with the intellectual ability and mechanical interest necessary for craftsmanship should be considered.

Step 2: Selecting an Occupation

Once you have identified a potential applicant, your next step should be to help the individual choose an occupation commensurate with his/her aptitudes, abilities and interests. Counselors can make use of standard aptitude and interest tests such as the Armed Services Vocational Aptitude Battery (ASVAB), Comprehensive Occupational Assessment and Training System (COATS) or General Aptitude Test Battery (GATB) to support the individual's choice.

Step 3: Identifying an Occupation as Apprenticeable

When the student has selected an occupation, your next step should be to determine if that occupation is apprenticeable. The easiest way to identify apprenticeable occupations is to refer to the list entitled "Occupations Recognized as Apprenticeable by the Bureau of Apprenticeship and Training" provided in the Appendix to this guide.

Step 4: Determining Student Qualifications

Assuming that the chosen occupation is apprenticeable, your next step should be to determine if the student meets the minimum qualifications for the occupation. This task can be accomplished by reviewing various publications that discuss the requirements and qualifications of the occupation and comparing those requirements and qualifications with those listed on the student's profile. Publications outlining training and educational requirements, as well as personal qualifications, are listed in Part IV of this guide.

Among those documents required by most sponsors are the individual's high school diploma, GED certificate, high school transcript, birth certificate, medical certificate and social security card. If the individual is a veteran and wishes to take advantage of the Veterans Administration allowances under Public Law 96-466, he or she will need form DD214 ("Separation from Active Service"), otherwise known as the military service discharge.

PART IV
HELP WHEN IT'S NEEDED

HELP WHEN IT'S NEEDED

Securing an apprenticeship for a student is no accident. It is the result of careful research, preparation and follow through. It's also the result of knowing who to contact when help is needed.

This part of the guide will provide a listing of persons, places and publications that can aid both counselor and student in the apprenticeship-search process.

Cooperative Vocational Education Coordinators

If your school offers cooperative vocational education, it also employs one or more cooperative vocational education teacher-coordinators. These individuals, who are sensitive to employment trends and job requirements because of their daily proximity to business, labor and industry, can be valuable resources to guidance counselors.

You should contact the cooperative vocational education coordinator for the following kinds of help:

- . To gain an in-depth picture of the employment market in the locality defined by your school's boundaries.
- . To obtain information relevant to course work that might enhance a student's chance of securing an apprenticeship.

Apprentice Coordinator Offices

Apprentice coordinator offices, located in public school districts throughout the state, have the responsibility of promoting and facilitating apprentice training in a specific geographic region. These offices are staffed by knowledgeable personnel who are recognized by the state as final approvers of related instruction for all apprentices in their region.

You should contact one of the following apprentice coordinator offices for these types of assistance:

- . To gain general information regarding apprenticeship training.
- . To obtain announcements of union or corporate testing dates and localities.
- . To arrange for a meeting with a prospective sponsor and a potential apprentice to discuss requirements and responsibilities.
- . To secure an apprenticeship agreement form and to receive technical assistance in completing and filing said form.

APPRENTICE COORDINATOR OFFICES

ATLANTIC COUNTY

Atlantic County Vocational School
Route #40
Mays Landing, NJ 08330
(609) 641-6562

BERGEN COUNTY

Bergen County Vocational School
200 Hackensack Avenue
Hackensack, NJ 07601
(201) 343-6000

BURLINGTON COUNTY

Burlington County Vocational School
Hawkins Road
Medford, NJ 08055
(609) 267-4226

CAMDEN COUNTY

Camden County Vocational School
Box 566-Berlin Cross-Keys Road
Sicklerville, NJ 08081
(609) 767-7000

CAPE MAY COUNTY

Cape May County Vocational School
Crest Haven Road
Cape May Court House, NJ 08210
(609) 465-3064

CUMBERLAND COUNTY

Cumberland County Vocational School
R. D. #8, Box 45
Bridgeton, NJ 08302
(609) 455-4000

MERCER COUNTY

Mercer County Vocational School
1085 Old Trenton Road
Trenton, NJ 08690
(609) 586-5146

MIDDLESEX COUNTY

Middlesex County Vocational School
P. O. Box 220
East Brunswick, NJ 08816
(201) 257-3300

MONMOUTH COUNTY

Monmouth County Vocational School
2 Bucks Lane, Route #79, Plaza 79
Marlboro, NJ 07746
(201) 431-7942

MORRIS COUNTY

Morris County Vocational School
400 East Main Street
Denville, NJ 07834
(201) 627-0114

OCEAN COUNTY

Ocean County Vocational School
Old Freehold & Bay Lea Road
Toms River, NJ 08753
(201) 349-8425

PASSAIC COUNTY

Passaic County Vocational School
45 Reinhardt Road
Wayne, NJ 07470
(201) 490-6000

ELIZABETH AREA (ONLY)

Thomas A. Edison Vocational-
Technical School
625 Summer Street
Elizabeth, NJ 07202
(201) 558-3000

ESSEX COUNTY

Essex County Vocational School
68 South Harrison Street
East Orange, NJ 07018
(201) 961-7901

GLOUCESTER COUNTY

Gloucester County Vocational School
Tanyard Road
Sewell, NJ 08080
(609) 468-1445

HUDSON COUNTY

Hudson County Vocational School
8511 Tonnelle Avenue
North Bergen, NJ 07047
(201) 854-3900

JERSEY CITY AREA (ONLY)

Snyder High School
239 Bergen Avenue
Jersey City, NJ 07305
(201) 547-4960

SALEM COUNTY

Salem County Vocational School
P. O. Box 350, R. D. #2
Woodstown, NJ 08098
(609) 760-0102

SOMERSET COUNTY

Somerset County Vocational School
P.O. Box 6350, N. Bridge Street
Bridgewater, NJ 08807
(201) 526-8900

SUSSEX COUNTY

Sussex County Vocational School
105 North Church Road
Sparta, NJ 07871
(201) 383-6700

UNION COUNTY

Union County Vocational School
1776 Raritan Road
Scotch Plains, NJ 07076
(201) 899-2000

WARREN COUNTY

Warren County Vocational School
R. D. #1, Box 168A
Washington, NJ 07882
(201) 689-0122

Bureau Of Apprenticeship And Training

Following is a list of six representatives of the Bureau of Apprenticeship and Training (BAT) at the local level. Their duties are to encourage the establishment of sound apprentice training programs, provide technical assistance to business, labor and industry in establishing such programs and advise all apprentices and apprentice training programs in New Jersey.

Contact a BAT area training representative for the following types of assistance:

- . To gain general information on apprentice training programs.
- . To obtain announcements of union or corporate testing dates and localities.
- . To arrange for a meeting with a prospective sponsor and a potential apprentice to discuss requirements and responsibilities.
- . To obtain an apprenticeship agreement form and to receive technical assistance for completing and filing the form.

BAT AREA TRAINING REPRESENTATIVES

Bureau of Apprenticeship and Training
(Serving the 11 counties listed below)
Room 838 - Federal Building
970 Broad Street
Newark, New Jersey 07102
Phone: (201) 645-3880
Frank M. King - State Director

William Driscoll	- - - - -	Bergen, Hudson
Nick DeLapi	- - - - -	Union, Morris, Sussex
Ulysses Jordan	- - - - -	Passaic, Essex
Albert Hudanish	- - - - -	Atlantic, Monmouth, Ocean Middlesex, Somerset

Bureau of Apprenticeship and Training
(Serving the 10 counties listed below)
Post Office Box 1418 - Room 401
Federal Building - 402 East State Street
Trenton, New Jersey 08607
Phone: (609) 989-2209

Neil Bishop	- - - - -	Burlington, Camden, Cape May, Cumberland, Gloucester, Salem
Vacant	- - - - -	Mercer, Warren, Hunterdon

The Division of Vocational Education and Career Preparation

The Division of Vocational Education and Career Preparation (DVECP), an agency of the New Jersey State Department of Education, is located on the third floor of 225 West State Street in Trenton.

The Office of Apprentice Training within the DVECP has the duty of approving the registration of all New Jersey apprentices with the Bureau of Apprenticeship and Training (BAT) and, together with the BAT, verifying successful completion of all apprentice training programs. Contact Charles Kunkel, Director of Apprentice Training, at (609) 292-7490, for the following kinds of help:

- . To obtain information pertaining to state standards on apprenticeship.
- . To secure assistance in contacting county or local apprentice coordinators.
- . To gain help in resolving issues that cannot be resolved locally.

School-to-Work Linkage, a project within the DVECP, has the responsibility of encouraging and facilitating apprentice registration for all eligible cooperative vocational education students in New Jersey. Contact Patricia Peacock, Manager of the School-to-Work Linkage Project, at (609)-292-6565, for the following types of assistance:

- . To obtain information on securing apprenticeships for cooperative vocational education students.
- . To gain help in resolving problems concerning apprentice registration of cooperative vocational education students which cannot be resolved locally.
- . To answer questions pertaining to any part of this guide.

New Jersey Job Service

New Jersey Job Service has a computer-assisted system for job order development, information storage, distribution and control. The system provides job applicants and various personnel serving job applicants with daily information concerning available jobs and training opportunities registered with the New Jersey State Employment Service. It is important that you maintain a close relationship with one of the local Job Service offices listed on the following pages in order to know job trends, occupational needs and manpower requirements in your area.

NEW JERSEY JOB SERVICE OFFICES

ATLANTIC COUNTY

1433 Bacharach Blvd.
Atlantic City, NJ 08401
(609) 441-3294

Rt. 30 & Elvins Ave.
Hammonton, NJ 08037

BERGEN COUNTY

40 Bennett Rd.
Englewood, NJ 07631
(201) 568-9840

50 Passaic St.
Hackensack, NJ 07601
(201) 487-6800

BURLINGTON COUNTY

57 High St.
Mount Holly, NJ 08060
(609) 267-0981

CAMDEN COUNTY

517 Federal St.
Camden, NJ 08103
(609) 757-2807

CAPE MAY COUNTY

3810 New Jersey Ave.
Wildwood, NJ 08260
(609) 729-0997

CUMBERLAND COUNTY

43 Cornwell Drive
Bridgeton, NJ 08302
(609) 455-6100

415 Landis Ave.
Vineland, NJ 08360

ESSEX COUNTY

80 Mulberry St.
Newark, NJ 07102
(201) 648-3599

HUDSON COUNTY

87 Newkirk St.
Jersey City, NJ 07306
(201) 798-5627

MERCER COUNTY

223 N. Hermitage Ave.
Trenton, NJ 08625
(201) 292-0602

MIDDLESEX COUNTY

277 George St.
New Brunswick, NJ 08901
(201) 545-6800

275 Hobart St.
Perth Amboy, NJ 08861
(201) 826-2900

121 Monmouth St.
Red Bank, NJ 07701
(201) 741-6623

MORRIS COUNTY

107 Bassett Hwy.
Dover, NJ 07801
(201) 361-9050

OCEAN COUNTY

111 W. Water St.
Toms River, NJ 08753
(201) 341-6330

PASSAIC COUNTY

25 Henry St.
Passaic, NJ 07055
(201) 779-1260

SALEM COUNTY

154 Salem-Woodstown Rd.
Salem, NJ 08079
(609) 935-7007

ESSEX COUNTY (cont.)

Serving West Essex
(201) 648-3964

UNION COUNTY

319 No. Broad St.
Elizabeth, NJ 07208
(201-648-4462

525 Madison Ave.
Plainfield, NJ 07060
(201) 499-5935

SOMERSET COUNTY

352 E. Main St.
Somerville, NJ 08876
(201) 725-2600

WARREN COUNTY

Hillcrest Shopping Mall
Phillipsburg, NJ 08865
(201) 859-0400

Local Labor Unions and Trade Associations

Local labor unions and trade associations can provide you with a list of test dates and specific requirements for entrance. A telephone call will put you on their mailing list.

For the labor unions located in a specific area, consult the yellow pages of the telephone book under the heading "Labor Organizations." For the trade associations located in a specific area, consult the yellow pages of the telephone book either under the heading "Associations" or "Business and Trade Organizations."

If your phone book does not provide you with the information you desire, consult either the Trenton or Newark phone directories which can be found in your local library.

Publications

To obtain specific information on several hundred occupations and 35 major industries, including what the work is like, job prospects to 1990, personal qualifications, training and educational requirements, working conditions, earnings and chances for advancement, secure a copy of the Occupational Outlook Handbook from the U.S. Department of Labor, Bureau of Labor Statistics, Washington, D.C. 20212, by requesting Bulletin 2075, 1980. The cost for paper cover is \$8.00; cloth cover costs \$11.00.

To obtain information on all apprenticeable trades recognized in New Jersey, secure a copy of the National Apprenticeship Program Booklet from the U.S. Department of Labor, Office of Employment and Training, Bureau of Apprenticeship and Training, 970 Broad St., Room 838, Newark, New Jersey 07102. The publication is free.

To obtain information on state required licenses for employability, secure a copy of the Handbook of Occupations and Professions Licensed by New Jersey State Boards and Commissions from the New Jersey Department of Labor, Division of Research and Planning, John Fitch Plaza, Trenton, New Jersey 08625, by requesting RP-247 (RS-81). This publication also is free.

To obtain concise definitions of occupational titles including the occupational code number, the industry designation, alternate titles and unrelated titles, if any, and task element statements, secure a copy of the Dictionary of Occupational Titles from the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Purchase price is \$13.00.

APPENDIX

OCCUPATIONS RECOGNIZED AS APPRENTICEABLE

<u>OCCUPATIONS</u>	<u>DICTIONARY OF OCCUPATIONAL TITLES (DOT) CODE NO.</u>
ACCORDION MAKER (musical inst.)	730.281-010
ACCOUSTICAL CARPENTER (const.)	860.381-010
AIR-CONDITIONING INSTALLER-SERVICER, WINDOW UNIT (any indus.)	637.261-010
AIR-CONDITIONING MECHANIC (auto. serv.) (Automotive Specialty Shops only)	620.281-010
AIRCRAFT-ARMAMENT MECHANIC (gov. serv.)	632.261-010
AIRCRAFT LAY-OUT WORKER (aircraft-aerospace mfg.)	693.381-010
AIRCRAFT MECHANIC, ARMAMENT (aircraft-aerospace mfg.)	806.381-010
AIRCRAFT MECHANIC, ELECTRICAL AND RADIO (aircraft-aerospace mfg.)	825.381-010
AIRCRAFT MECHANIC, PLUMBING AND HYDRAULICS (aircraft-aerospace mfg.)	862.381-010
AIRCRAFT-PHOTOGRAPHIC-EQUIPMENT MECHANIC (photo. app.)	714.281-010
AIRFRAME-AND-POWER PLANT MECHANIC (aircraft-aerospace mfg.; air trans.)	621.281-014
AIRPLANE COVERER (aircraft-aerospace mfg.; air trans.)	849.381-010
AIRPLANE WOODWORKER (aircraft-aerospace mfg.)	769.281-010
ALARM OPERATOR (gov. serv.)	379.162-010
ANIMAL TRAINER (amuse. & rec.)	159.224-010
ARTIFICIAL-GLASS-EYE MAKER (optical goods)	713.261-010

ARTIFICIAL-PLASTIC-EYE MAKER (optical goods)	713.261-014
ASPHALT-PAVING MACHINE OPERATOR (const.)	853.663-010
ASSEMBLER (jewelry)	700.684-014
ASSEMBLER, AIRCRAFT, POWER PLANT (aircraft-aerospace mfg.)	806.381-022
ASSEMBLER, AIRCRAFT, STRUCTURES AND SURFACES (aircraft-aerospace mfg.)	806.381-026
ASSEMBLER, ELECTRO-MECHANICAL (aircraft-aerospace mfg.)	806.381-030
ASSEMBLER-INSTALLER, GENERAL (aircraft-aerospace mfg.)	806.361-014
ASSEMBLY MECHANIC, EXPERIMENTAL AIRCRAFT (aircraft-aerospace mfg.)	806.381-038
ASSEMBLY TECHNICIAN (office machines)	633.261-010
AUDIO OPERATOR (radio & tv broad.)	194.262-010
AUDIO-VIDEO REPAIRER (any indus.)	729.281-010
AUGER PRESS OPERATOR, MANUAL CONTROL (brick & tile)	575.462-010
AUTOMATED EQUIPMENT ENGINEER TECHNICIAN (mach. mfg.)	638.261-010
AUTOMATIC EQUIPMENT TECHNICIAN (tel. & tel.)	822.281-010
AUTOMOBILE-BODY REPAIRER (auto. serv.)	807.381-010
AUTOMOBILE MECHANIC (auto. serv.)	620.261-010
AUTOMOBILE-RADIATOR MECHANIC (auto. serv.) (Automotive Specialty Shops only)	620.381-010
AUTOMOBILE-REPAIR-SERVICE ESTIMATOR (auto. serv.)	620.261-018
AUTOMOBILE TESTER (auto. serv.)	620.261-014

AUTOMOBILE UPHOLSTERER (auto. serv.)	780.381-010
AUTOMOTIVE COOLING SYSTEM DIAGNOSTIC TECHNICIAN (auto. serv.) (Automotive Speciality Shops only)	620.261-580
AUTOMOTIVE-GENERATOR-AND-STARTER REPAIRER (auto. serv.)	721.281-010
AUTOMOTIVE MAINTENANCE EQUIPMENT SERVICER (any indus.)	620.281-018
AVIONICS TECHNICIAN (aircraft-aerospace mfg.; air. trans.)	823.281-010
BAKER (bake. prod.)	526.381-010
BAKER (hotel & rest.)	313.381-010
BAKER, PIZZA (hotel & rest.)	313.381-014
BAKERY-MACHINE MECHANIC (bake. prod.)	629.281-010
BANK-NOTE DESIGNER (gov. serv.)	142.061-010
BARBER (pers. serv.)	330.371-010
BATCH-AND-FURNACE OPERATOR (glass mfg.)	572.382-010
BATTERY REPAIRER (any indus.)	727.381-014
BEEKEEPER (agric.)	413.161-010
BENCH HAND (jewelry)	735.381-010
BEN-DAY ARTIST (print. & pub.)	970.681-010
BIOMEDICAL EQUIPMENT TECHNICIAN (inst. & app.; med. serv.)	719.261-810
BLACKSMITH (forging)	610.381-010
BLOCKER-AND-CUTTER, CONTACT LENS (optical goods)	716.681-010
BOATBUILDER, WOOD (ship & boat bldg. & rep.)	860.381-018
BOILERHOUSE MECHANIC (any indus.)	805.361-010
BOILERMAKER FITTER (boilermaking)	805.361-014
BOILERMAKER I (boilermaking)	805.261-014

BOILERMAKER II (boilermaking)	805.381-010
BOILER OPERATOR (any indus.)	950.382-010
BOOKBINDER (print. & pub.)	977.381-010
BOOTMAKER, HAND (rubber goods)	753.381-010
BRACELET AND BROOCH MAKER (jewelry)	735.681-010
BRAKE REPAIRER (auto. serv.)	620.281-026
BRICKLAYER (brick & tile)	861.381-014
BRICKLAYER (const.)	861.381-018
BRICKLAYER, FIREBRICK AND REFRACTORY TILE (const.)	861.381-026
BRILLIANDEER-LOPPER (jewelry)	770.261-010
BUTCHER, ALL AROUND (slaughter & meat packing)	525.381-014
BUTCHER, MEAT (hotel & rest.)	316.681-010
BUTTERMAKER (dairy prod.)	529.362-010
CABINETMAKER (woodworking)	660.280-010
CABLE INSTALLER-REPAIRER (light, heat, & power)	821.361-010
CABLE SPLICER (const.; light, heat, power; tel. & tel.)	829.361-010
CABLE TESTER (tel. & tel.)	822.361-010
CALIBRATION LABORATORY TECHNICIAN (aircraft- spacecraft sig.; electronics)	019.281-010
CAMERA REPAIRER (photographic app.)	714.281-014
CANAL-EQUIPMENT MECHANIC (waterworks)	899.281-010
CANDY MAKER (confac.)	529.361-014
CANVAS WORKER (canvas goods; ship & boat bldg. & rep.)	739.381-010
CAR REPAIRER (loco. & car bldg. & rep.)	622.381-014

CARBURETOR MECHANIC (auto. serv.)	620.281-034
CARD CUTTER, JACQUARD (narrow fabric; textile)	683.582-010
CARD GRINDER (asbestos prod.; textile)	680.380-010
CARPENTER (const.)	860.381-022
CARPENTER, MAINTENANCE (any indus.)	860.281-010
CARPENTER, MOLD (brick & tile; conc. prod.)	860.381-034
CARPENTER, ROUGH (const.)	860.381-042
CARPENTER, SHIP (water trans.)	860.281-014
CARPET CUTTER (ret. tr.)	929.381-010
CARPET LAYER (ret. tr.)	864.381-010
CARVER, HAND (furn.; plan. mill)	761.281-010
CASH-REGISTER SERVICER (any indus.)	633.281-010
CASING-IN-LINE SETTER (print. & pub.)	653.360-010
CASKET ASSEMBLER (mort. goods)	739.481-010
CASTER (jewelry)	502.381-010
CASTER (nonfer. metal alloys)	502.482-010
CELL MAKER (chem.)	844.681-010
CEMENT MASON (const.)	844.364-010
CENTRAL-OFFICE INSTALLER (tel. & tel.)	822.361-014
CENTRAL-OFFICE REPAIRER (tel. & tel.)	822.281-014
CHASER (jewelry; silverware)	704.381-010
CHEESEMAKER (dairy prod.)	529.361-018
CHEMICAL-ENGINEERING TECHNICIAN (profess. & kind.)	008.261-010
CHEMICAL LABORATORY TECHNICIAN (profess. & kind.)	022.261-010

CHEMICAL OPERATOR III (chem.)	559.382-018
CHIEF OF PARTY (profess. & kind.)	018.167-010
CHIEF OPERATOR (chem.)	558.260-010
CIVIL ENGINEER (profess. & kind.)	005.061-014
CLARIFYING-PLANT OPERATOR (textile)	955.382-010
CLOTH DESIGNER (profess. & kind.)	142.061-014
COIN-MACHINE-SERVICE REPAIRER (coin mach.)	639.281-014
COLORIST, PHOTOGRAPHY (photofinish)	970.381-010
COMMERCIAL DESIGNER (profess. & kind.)	141.081-014
COMPLAINT INSPECTOR (light, heat, & power)	829.261-010
COMPOSING-ROOM MACHINIST (print. & pub.)	627.261-010
COMPOSITOR (print. & pub.)	973.381-010
COMPUTER-PERIPHERAL-EQUIPMENT OPERATOR (clerical)	213.382-010
CONSTRUCTION-EQUIPMENT MECHANIC (const.)	620.261-022
CONTOUR WIRE SPECIALIST, DENTURE (medical serv.)	712.381-014
CONVEYOR-MAINTENANCE MECHANIC (any indus.)	630.381-010
COOK (any indus.)	315.361-010
COOK (hotel & rest.)	313.361-014
COOK, PASTRY (hotel & rest.)	313.381-026
COPPERSMITH (ship & boat bldg. & rep.)	862.281-010
COREMAKER (foundry)	518.381-014
CORK INSULATOR, REFRIGERATION PLANT (const.)	863.381-010
CORROSION-CONTROL FITTER (light, heat, & power; pipe lines)	820.361-010
COSMETOLOGIST (pers. serv.)	332.271-010

CUSTOM TAILOR (garment; pers. serv.; ret. tr.)	785.261-014
CUTTER, FABRICS AND MATERIALS (aircraft-aerospace mfg.)	781.384-010
CYLINDER GRINDER (print. & pub.)	500.381-010
CYLINDER-PRESS OPERATOR (print. & pub.)	651.362-010
DAIRY EQUIPMENT REPAIRER (dairy prod.)	629.281-018
DECORATOR (any indus.)	298.381-010
DECORATOR (glass mfg.; glass prod.)	740.381-010
DENTAL ASSISTANT (medical serv.)	079.371-010
DENTAL CERAMIST (medical serv.)	712.281-010
DENTAL-EQUIPMENT INSTALLER-SERVICER (whole. tr.)	829.261-014
DENTAL LABORATORY TECHNICIAN (medical serv.)	712.381-018
DESIGN DRAFTER, ELECTROMECHANISMS (profess. & kind.)	017.261-014
DESIGNER AND PATTERNMAKER (boot & shoe)	788.281-010
DETAILER (profess. & kind.)	017.261-018
DIAMOND SELECTOR (jewelry)	770.281-010
DICTATING-TRANSCRIBING-MACHINE SERVICER (any indus.)	633.281-014
DIE DESIGNER (mach. shop)	007.161-010
DIE FINISHER (mach. shop)	601.381-010
DIE MAKER (jewelry)	601.381-014
DIE MAKER (paper goods)	739.381-018
DIE MAKER, BENCH STAMPING (mach. shop)	601.281-010
DIE MAKER, STAMPING (mach. shop)	601.280-010
DIE MAKER, TRIM (mach. shop)	601.280-014

DIE MAKER, WIRE DRAWING (mach. shop)	601.280-018
DIE POLISHER (wire)	601.381-018
DIESEL-ENGINE TESTER (engine & turbine)	625.261-010
DIESEL MECHANIC (any indus.)	625.281-010
DIE SETTER (forging)	612.360-010
DIE SINKER (mach. shop)	601.280-022
DIETETIC INTERN (profess. & kind.)	077.167-010
DIRECTOR, FUNERAL (pers. serv.)	187.167-030
DISPLAY DESIGNER (profess. & kind.)	142.051-010
DISPLAYER, MERCHANDISE (ret. tr.)	298.081-010
DOOR-CLOSER MECHANIC (any indus.)	630.381-014
DRAFTER, ARCHITECTURAL (profess. & kind.)	001.261-010
DRAFTER, AUTOMOTIVE DESIGN (auto. mfg.)	017.281-022
DRAFTER, AUTOMOTIVE DESIGN LAY-OUT (auto. mfg.)	017.281-026
DRAFTER, CARTOGRAPHIC (profess. & kind.)	018.261-010
DRAFTER, CIVIL (profess. & kind.)	005.281-010
DRAFTER, COMMERCIAL (profess. & kind.)	017.261-026
DRAFTER, DETAIL (profess. & kind.)	017.261-030
DRAFTER, ELECTRICAL (profess. & kind.)	003.281-010
DRAFTER, ELECTRONIC (profess. & kind.)	003.281-014
DRAFTER, HEATING AND VENTILATING (profess. & kind.)	017.261-034
DRAFTER, LANDSCAPE (profess. & kind.)	001.261-014
DRAFTER, MARINE (profess. & kind.)	014.281-010
DRAFTER, MECHANICAL (profess. & kind.)	007.281-010

DRAFTER, PLUMBING (profess. & kind.)	017.261-038
DRAFTER, STRUCTURAL (profess. & kind.)	005.281-014
DRAFTER, TOOL DESIGN (profess. & kind.)	007.261-022
DRAFTER, TOPOGRAPHICAL (profess. & kind.)	018.261-014
DRAGLINE OPERATOR (any indus.)	850.683-018
DREDGE OPERATOR (const.; mining & quarrying)	850.663-010
DRESSMAKER (any indus.)	785.361-010
DRILLING-MACHINE OPERATOR (mining & quarrying)	930.482-010
DRY CLEANER (clean.; dye & press.)	362.382-014
DRY-WALL APPLICATOR (const.; mfd. bldgs.)	842.681-010
EDITOR, FILM (motion pic.; radio & tv broad.)	962.264-010
ELECTRICAL-APPLIANCE REPAIRER (any indus.)	723.381-010
ELECTRICAL-APPLIANCE SERVICER (any indus.)	827.261-010
ELECTRICAL-INSTRUMENT REPAIRER (any indus.)	729.281-026
ELECTRICAL REPAIRER (any indus.)	829.281-014
ELECTRICAL TECHNICIAN (profess. & kind.)	003.161-010
ELECTRIC-DISTRIBUTION CHECKER (const.; light, heat, & power)	824.281-014
ELECTRICIAN (any indus.)	824.261-010
ELECTRICIAN (ship & boat bldg. & rep.)	~~825.381-030~~
ELECTRICIAN (water trans.)	825.281-014
ELECTRICIAN, AIRPLANE (aircraft-aerospace mfg.)	825.281-018
ELECTRICIAN, AUTOMOTIVE (auto. serv.)	825.281-022
ELECTRICIAN, LOCOMOTIVE (loco. & car bldg. & rep.)	825.281-026
ELECTRICIAN, POWERHOUSE (light, heat, & power)	820.261-014

ELECTRICIAN, RADIO (any indus.)	823.281-014
ELECTRICIAN, SUBSTATION (light, heat, & power)	820.261-018
ELECTRIC-METER INSTALLER I (light, heat, & power)	821.361-014
ELECTRIC-METER REPAIRER (light, heat, & power)	729.281-014
ELECTRIC-METER TESTER (light, heat, & power)	821.381-010
ELECTRIC-MOTOR-AND-GENERATOR ASSEMBLER (elec. equip.)	820.361-014
ELECTRIC-MOTOR ASSEMBLER AND TESTER (any indus.)	721.281-014
ELECTRIC-MOTOR REPAIRER (any indus.)	721.281-018
ELECTRIC-TOOL REPAIRER (any indus.)	729.281-022
ELECTRIC-TRACK-SWITCH MAINTAINER (rr. trans.)	825.261-010
ELECTROMECHANICAL TECHNICIAN (inst. app.)	710.281-018
ELECTROMEDICAL-EQUIPMENT REPAIRER (any indus.)	729.281-030
ELECTRONIC-ORGAN TECHNICIAN (any indus.)	828.261-010
ELECTRONIC-PRODUCTION-LINE-MAINTENANCE MECHANIC (electronics)	629.281-022
ELECTRONIC-SALES-AND-SERVICE TECHNICIAN (profess. & kind.)	828.251-010
ELECTRONICS MECHANIC (any indus.)	828.281-010
ELECTRONICS TECHNICIAN (profess. & kind.)	003.161-014
ELECTRONICS TESTER I (electronics)	726.281-014
ELECTRONICS UTILITY WORKER (electronics)	726.361-010
ELECTROTYPY (print. & pub.)	974.381-010
ELEVATING-GRADER OPERATOR (const.)	850.663-014
ELEVATOR CONSTRUCTOR (const.)	825.361-010
ELEVATOR REPAIRER (any indus.)	825.281-030

EMBALMER (pers. serv.)	338.371-014
EMBOSSER (print. & pub.)	659.382-010
EMERGENCY MEDICAL TECHNICIAN (medical serv.)	079.374-010
EMERGENCY MEDICAL TECHNICIAN, AMBULANCE (medical serv.)	335.374-010
ENGINEERING ASSISTANT, MECHANICAL EQUIPMENT (profess. & kind.)	007.161-018
ENGINEERING MODEL MAKER (inst. & app.)	600.260-010
ENGINE-LATHE SET-UP OPERATOR (mach. shop)	604.380-018
ENGINE-LATHE SET-UP OPERATOR, TOOL (mach. shop)	604.280-010
ENGINE REPAIRER, SERVICE (engine & turbine)	625.281-018
ENGINE TURNER (jewelry)	704.381-018
ENGRAVER (glass prod.; mirror)	775.381-010
ENGRAVER I (print. & pub.)	979.381-010
ENGRAVER, BLOCK (print. & pub.)	979.281-014
ENGRAVER, HAND, HARD METALS (engraving)	704.381-026
ENGRAVER, HAND, SOFT METALS (engraving)	704.381-030
ENGRAVER, MACHINE (print. & pub.)	979.382-014
ENGRAVER, PANTOGRAPH I (engraving)	704.382-010
ENGRAVER, PICTURE (print. & pub.)	979.281-018
ENGRAVING-PRESS OPERATOR (print. & pub.)	651.382-010
ENVELOPE-FOLDING-MACHINE ADJUSTER (paper goods)	641.680-010
ENVIRONMENTAL-CONTROL SYSTEM INSTALLER-SERVICER (Residential & Light Commercial) (any indus.)	637.261-014
EQUIPMENT INSTALLER (tel. & tel.)	822.381-010
ESTIMATOR AND DRAFTER (light, heat, & power)	019.261-014

ETCHER, HAND (print. & pub.)	971.261-010
ETCHER, PHOTOGRAPHING (print. & pub.)	971.381-014
EXPERIMENTAL ASSEMBLER (any indus.)	739.381-026
EXPERIMENTAL MECHANIC (motor & bicycles)	600.260-014
EXTRUDER OPERATOR (fabric. plastics prod.; plastics mat.)	557.382-010
FABRICATOR-ASSEMBLER, METAL PRODUCTS (any indus.)	809.381-010
FARM EQUIPMENT MECHANIC I (agric. equip.)	624.281-010
FARM EQUIPMENT MECHANIC II (agric. equip.)	624.381-014
FARMER, GENERAL (agric.)	421.161-010
FASTENER TECHNOLOGIST (nut & bolt)	612.260-684
FIELD ENGINEER (radio & tv broad.)	193.262-018
FILM DEVELOPER (motion pic.; photofinish)	976.382-018
FILM LABORATORY TECHNICIAN I (motion pic.)	976.381-010
FINISHER, DENTURE (medical serv.)	712.681-018
FIRE-CONTROL MECHANIC (gov. serv.)	632.261-014
FIRE FIGHTER (any indus.)	373.364-010
FIRE FIGHTER, CRASH, FIRE AND RESCUE (air trans.)	373.663-010
FIRE MEDIC (medical serv.)	373.364-010
FIRM, KILN (pottery & pore.)	571.662-010
FITTER (mach. shop)	801.381-014
FITTER I (any indus.)	801.261-014
FIXTURE MAKER (light fix.)	600.380-010
FLOOR-COVERING LAYER (loco. & car bldg. & rep.)	622.381-026
FLOOR LAYER (const.; ret. tr.)	864.481-010

FLORAL DESIGNER (ret. tr.)	142.081-010
FOLDING-MACHINE OPERATOR (print. & pub.)	653.382-010
FOLDING-MACHINE SETTER (print. & pub.)	653.360-014
FORGE-SHOP-MACHINE REPAIRER (forging)	626.261-010
FORGING-PRESS OPERATOR I (forging)	611.482-010
FORM BUILDER (aircraft-aerospace mfg.)	693.280-010
FORM BUILDER (const.)	860.381-046
FORMER, HAND (any indus.)	619.361-010
FORMING-MACHINE OPERATOR (glass mfg.)	575.382-014
FOUNDRY METALLURGIST (foundry)	011.061-010
FOURDRINIER-MACHINE TENDER (build. board; paper & pulp)	539.362-014
FOUR-SLIDE-MACHINE SETTER (any indus.)	616.380-010
FREEZER OPERATOR (dairy prod.)	529.482-010
FRETTED-INSTRUMENT REPAIRER (any indus.)	730.281-026
FRONT-END MECHANIC (auto. serv.)	620.281-038
FUEL-INJECTION SERVICER (any indus.)	625.281-022
FUR CUTTER (fur goods)	783.381-010
FUR DESIGNER (fur goods)	142.081-014
FUR FINISHER (fur goods)	783.381-014
FURNACE INSTALLER (light, heat, & power)	862.361-010
FURNACE-INSTALLER AND REPAIRER, HOT AIR (any indus.)	869.281-010
FURNACE OPERATOR (found.; iron & steel)	512.362-018
FURNITURE DESIGNER (furn.)	142.061-022
FURNITURE FINISHER (woodworking)	763.381-010

FURNITURE UPHOLSTERER (any indus.)	780.381-018
FURRIER (fur goods)	783.261-010
GAGER (petrol. prod.; petrol refin.; pipe lines)	914.384-010
GANG SAWYER, STONE (stonework)	670.362-010
GAS-APPLIANCE SERVICER (any indus.)	637.261-018
GAS-ENGINE REPAIRER (any indus.)	625.281-026
GAS-MAIN FITTER (light, heat, & power)	862.361-014
GAS-METER MECHANIC I (light, heat, & power)	710.381-022
GAS-REGULATOR REPAIRER (light, heat, & power; (petrol. refin.; pipe lines)	710.381-026
GEAR-CUTTING-MACHINE SET-UP OPERATOR (mach. shop)	602.380-010
GEAR-CUTTING-MACHINE SET-UP OPERATOR, TOOL (mach. shop)	602.280-010
GEAR HOBBER, SET-UP OPERATOR (mach. shop)	602.382-010
GEM CUTTER (jewelry)	770.281-014
GENERAL MANAGER, FARM (agric.; whole. tr.)	180.167-018
GEODETIC COMPUTER (profess. & kind.)	018.167-014
GLASS BENDER (signs)	772.381-010
GLASS BLOWER (glass mfg.)	772.681-010
GLASS BLOWER, LABORATORY APPARATUS (glass prod.: inst. & app.)	772.281-010
GLASS BLOWING-LATHE OPERATOR (glass prod.)	772.482-010
GLAZIER (const.)	865.381-010
GLAZIER, STAINED GLASS (glass prod.)	779.381-010
GRAPHIC DESIGNER (profess. & kind.)	141.061-018
GRINDER I (clock & watch)	603.482-030

GRINDER OPERATOR, TOOL (mach. shop)	603.280-018
GRINDER SET-UP OPERATOR, UNIVERSAL (mach. shop)	603.280-030
GUNSMITH (any indus.)	632.281-010
HARNESS MAKER leather prod.; ret. tr.)	783.381-018
HARPSICORD MAKER (musical inst.)	730.281-034
HAT-BLOCK MAKER (woodworking)	661.381-010
HEAT-TRANSFER TECHNICIAN (profess. & kind.)	007.181-010
HEAT TREATER I (heat treat.)	504.382-014
HEAVY FORGER (forging)	612.361-010
HORSESHOER (agric.)	418.381-010
HORTICULTURIST (profess. & kind.)	040.061-038
HYDRAULIC-PRESS SERVICER (ammunition)	626.381-018
HYDROELECTRIC-MACHINERY MECHANIC (light, heat, & power)	631.261-010
HYDROELECTRIC-STATION OPERATOR (light, heat, & power)	952.362-018
HYDROMETER CALIBRATOR (inst. & app.)	710.381-030
ILLUSTRATOR (profess. & kind.)	141.061-022
INDUSTRIAL ENGINEERING TECHNICIAN (profess. & kind.)	012.267-010
INJECTION-WELDING-MACHINE OPERATOR (fabric. plastics prod.)	556.382-014
INSPECTOR, MECHANICAL AND ELECTRICAL (inst. & app.)	710.381-038
INSPECTOR, QUALITY ASSURANCE (gov. serv.)	168.287-014
INSTRUMENTATION TECHNICIAN (profess. & kind.)	003.261-010
INSTRUMENT MAKER (any indus.)	600.280-010
INSTRUMENT MAKER AND REPAIRER (petrol. prod.)	600.280-014

INSTRUMENT MECHANIC (any indus.)	710.281-026
INSTRUMENT MECHANIC, WEAPONS SYSTEM (inst. & app.)	711.281-014
INSTRUMENT REPAIRER (any indus.)	710.261-010
INSTRUMENT TECHNICIAN (light, heat, & power)	710.281-030
INSULATION WORKER (const.)	863.364-580
INTERIOR DESIGNER (profess. & kind.)	142.051-014
JACQUARD-LOOM WEAVER (textile)	683.662-010
JACQUARD-PLATE MAKER (knit goods)	685.381-010
JEWELER (jewelry)	700.281-010
JIG BUILDER (wood. box)	761.381-014
JOB PRINTER (print. & pub.)	973.381-018
JOB SETTER (fabric, plastics prod.; mach. mfg.; mach. shop)	600.380-014
JOINER (ship & boat bldg. & rep.)	860.381-050
KICK PRESS SETTER (button)	617.380-010
KILN OPERATOR (woodworking)	563.382-010
KNITTER MECHANIC (knit goods)	685.360-010
KNITTING MACHINE FIXER (hosiery; knit goods)	689.280-014
LABORATORY ASSISTANT (light, heat, & power)	029.361-018
LABORATORY TECHNICIAN (auto. mfg.)	019.381-010
LABORATORY TESTER (any indus.)	029.261-010
LANDSCAPE GARDNER (agric.)	408.161-010
LAND SURVEYOR (profess. & kind.)	018.167-018
LAST-MODEL MAKER (lasts & rel. forms)	761.381-018
LATHER (const.)	842.361-010

LAUNDRY-MACHINE MECHANIC (laund.)	629.261-010
LAY-OUT TECHNICIAN (optical goods)	716.381-014
LAY-OUT WORKER I (any indus.)	809.281-010
LEAD BURNER (welding)	819.281-010
LEATHER-STAMPER (leather prod.)	781.381-018
LEGAL SECRETARY (clerical)	201.362-010
LETTERER (profess. & kind.)	970.661-014
LIGHT TECHNICIAN (motion pic.; radio & tv broad.)	962.362-014
LINE ERECTOR (const.; light, heat, & power)	821.361-018
LINE INSTALLER-REPAIRER (tel. & tel.)	822.381-014
LINE MAINTAINER (any indus.)	821.261-014
LINER (pottery & porc.)	740.681-010
LINE REPAIRER (light, heat, & power)	821.361-026
LINOTYPE OPERATOR (print. & pub.)	650.582-010
LITHOGRAPHIC PLATE MAKER (print. & pub.)	972.381-010
LITHOGRAPHIC-PRESS OPERATOR, TINWARE (tinware)	651-382-014
LIVESTOCK RANCHER (agric.)	410.161-018
LOCKSMITH (any indus.)	709.281-010
LOCOMOTIVE ENGINEER (rr. trans.)	910.363-014
LOFT WORKER (ship & boat bldg. & rep.)	661.281-010
LOGGING-EQUIPMENT MECHANIC (logging)	620.281-042
LOOM FIXER (asbestos prod.; narrow fab.; textile)	683.260-018
MACHINE ASSEMBLER (mach. mfg.)	638.361-010
MACHINE BUILDER (mach. mfg.; mach. tool & access.)	600.281-022

MACHINE FIXER (carpet & rug)	628.281-010
MACHINE FIXER (textile)	689.260-010
MACHINE OPERATOR I (any indus.)	616.360-018
MACHINE REPAIRER, MAINTENANCE (any indus.)	626.281-010
MACHINERY ERECTOR (engine & turbine; mach. mfg.)	638.261-014
MACHINE SETTER (any indus.)	616.360-022
MACHINE SETTER (clock & watch)	600.380-022
MACHINE SETTER (woodworking)	669.280-010
MACHINE SET-UP OPERATOR (elec. equip.; firearms; mach. shop)	600.380-018
MACHINE SET-UP OPERATOR, PAPER GOODS (paper goods)	649.380-010
MACHINE TRY-OUT SETTER (mach. tool & access.)	600.360-010
MACHINIST (mach. shop)	600.280-022
MACHINIST, AUTOMOTIVE (auto serv.)	600.280-034
MACHINIST, EXPERIMENTAL (mach. shop)	600.280-038
MACHINIST, LINO TYPE (print. & pub.)	627.261-022
MACHINIST, MARINE ENGINE (ship & boat bldg. & rep.)	623.281-026
MACHINIST, MOTION-PICTURE EQUIPMENT (motion pic.; photo. app.)	714.281-018
MACHINIST, OUTSIDE (ship & boat bldg. & rep.)	623.281-030
MACHINIST, WOOD (woodworking)	669.380-014
MAINTENANCE MACHINIST (any indus.)	600.280-042
MAINTENANCE MECHANIC (any indus.)	638.281-014
MAINTENANCE MECHANIC (const.; petrol. prod.; pipe lines)	620.281-046
MAINTENANCE MECHANIC (grain & feed mill)	629.281-030

MAINTENANCE MECHANIC, COMPRESSED-GAS PLANT (comp. & liquefied gases)	630.261-010
MAINTENANCE MECHANIC, TELEPHONE (any indus.)	822.281-018
MAINTENANCE REPAIRER, BUILDING (any indus.)	899.381-010
MAINTENANCE REPAIRER, FACTORY OR MILL (any indus.)	899.281-014
MANUFACTURER'S REPRESENTATIVE (whole. tr.)	279.157-010
MARBLE SETTER (const.)	861.381-030
MATERIAL COORDINATOR (clerical)	221.167-014
MECHANIC, AIRCRAFT ACCESSORIES (aircraft-aerospace mfg.)	621.381-014
MECHANICAL-ENGINEERING TECHNICIAN (profess. & kind.)	007.161-026
MECHANICAL-UNIT REPAIRER (auto. serv.; loco. & car bldg. & rep.)	620.381-018
MECHANIC, ENDLESS TRACK VEHICLE (auto serv.)	620.381-014
MECHANIC, FIELD AND SERVICE (aircraft- aerospace mfg.)	621.281-026
MECHANIC, INDUSTRIAL TRUCK (any indus.)	620.281-050
MEDICAL-APPARATUS MODEL MAKER (inst. & app.)	712.261-010
MEDICAL LABORATORY TECHNICIAN (medical serv.)	078.381-014
MEDICAL SECRETARY (medical serv.)	201.362-014
METAL FABRICATOR (any indus.)	~~619.360-014~~
METEOROLOGICAL EQUIPMENT REPAIRER (any indus.)	823.281-018
METEOROLOGIST (profess. & kind.)	025.062-010
METER REPAIRER (any indus.)	710.281-034
MILLER, WET PROCESS (corn prod.)	521.662-010
MILLING-MACHINE SET-UP OPERATOR I (mach. shop)	605.280-010

MILLWRIGHT (any indus.)	638.281-018
MINE-CAR REPAIRER (mining & quarrying)	622.381-030
MINER I (mining & quarrying)	939.281-010
MOCK-UP BUILDER (aircraft-aerospace mfg.)	693.381-014
MODEL AND MOLD MAKER (brick & tile)	777.381-014
MODEL AND MOLD MAKER, PLASTER (conc. prod.)	77.381-018
MODEL BUILDER (furn.)	709.381-014
MODEL MAKER (aircraft-aerospace mfg.)	693.361-010
MODEL MAKER (clock & watch)	693.380-010
MODEL MAKER (jewelry)	709.381-018
MODEL MAKER (pottery porc.)	777.281-014
MODEL MAKER, FIREARMS (firearms)	600.260-018
MODEL MAKER, WOOD (any indus.)	661.380-010
MOLDER (foundry)	518.361-010
MOLDER, PATTERN (foundry)	693.381-022
MOLD MAKER (pottery & porc.)	777.681-010
MOLD MAKER I (jewelry)	700.381-034
MOLD MAKER II (jewelry)	777.381-022
MOLD MAKER, DIE CASTING & PLASTIC MOLDING (mach. shop)	601.280-030
MOLD SETTER (fabric. plastics prod.; phonograph)	556.380-010
MONOTYPE-KEYBOARD OPERATOR (print. & pub.; type founding)	650.582-014

MONUMENT SETTER (const.)	861.361-014
MOSAIC WORKER (glass prod.; stat. & art goods)	779.381-014
MOTORBOAT MECHANIC (engine & turbine; ship & boat bldg. & rep.)	623.281-038
MOTORCYCLE REPAIRER (auto. serv.)	620.281-054
MOTOR-GRADER OPERATOR (const.)	850.663-022
MULTI-OPERATION-FORMING MACHINE SETTER (any indus.)	616.260-014
MULTI-OPERATION-MACHINE OPERATOR (any indus.)	612.462-010
NEON-SIGN SERVICER (signs)	824.281-018
NUMERICAL-CONTROL-MACHINE OPERATOR (mach. shop)	609.662-010
OFFICE-MACHINE SERVICER (any indus.)	633.281-018
OFFSET-PLATE MAKER (print. & pub.)	971.381-018
OFFSET-PRESS OPERATOR I (print. & pub.)	651.482-010
OIL-BURNER-SERVICER AND INSTALLER (any indus.)	862.281-018
OIL-FIELD EQUIPMENT MECHANIC (petrol. prod.)	629.381-014
OPTICAL-INSTRUMENT ASSEMBLER (optical goods)	711.381-010
OPTICIAN (optical goods)	716.280-008
OPTICIAN (optical goods; ret. tr.)	~~716.280-014~~
OPTICIAN, DISPENSING I (ret. tr.)	713.361-014
OPTICIAN, DISPENSING II (ret. tr.)	299.474-010
OPTOMECHANICAL TECHNICIAN (optical goods; photo. app.)	007.161-030
ORDNANCE ARTIFICER (gov. serv.)	632.261-018
ORNAMENTAL-IRON WORKER (const.)	809.381-022

ORNAMENTAL-METAL WORKER (fabric, metal prod.; not elsewhere classified)	619.260-008
ORTHODONTIC TECHNICIAN (medical serv.)	712.381-030
ORTHOPEDIC-BOOT-AND SHOE DESIGNER AND MAKER (boot & shoe; pers. protec. medical dev.)	788.261-010
ORTHOTICS TECHNICIAN (pers. protec.; medical dev.)	712.381-034
ORTHOTIST (pers. protec.; medical dev.)	078.261-018
OUTBOARD-MOTOR MECHANIC (engine & turbine)	623.281-042
OUTSIDE PRODUCTION INSPECTOR (aircraft-aerospace mfg.)	806.281-046
OVERHAULER (textile)	628.261-010
PAINTER (const.)	840.381-010
PAINTER, HAND (any indus.)	970.381-022
PAINTER, SHIPYARD (ship & boat bldg. & rep.)	840.381-018
PAINTER, SIGN (any indus.)	970.381-026
PAINTER, TRANSPORTATION EQUIPMENT (aircraft-aerospace mfg.; air trans; auto serv.)	845.381-014
PANTOGRAPH-MACHINE SET-UP OPERATOR (mach. shop)	605.382-022
PAPERHANGER (const.)	841.381-010
PASTE-UP COPY-CAMERA OPERATOR (print. & pub.)	979.381-018
PATTERNSMAKER (furn.; garment; tex. prod.; not elsewhere classified)	781.381-026
PATTERNSMAKER (spring)	693.281-014
PATTERNSMAKER (stonework)	703.381-010
PATTERNSMAKER, METAL (foundry)	600.280-050
PATTERNSMAKER, METAL, BENCH (foundry)	693.281-018
PATTERNSMAKER, PLASTER (aircraft-aerospace mfg.)	777.381-030

PATTERNMAKER, PLASTICS (fabric. plastics prod.)	754.381-014
PATTERNMAKER, WOOD (foundry)	661.281-022
PHOTOCOMPOSING-PERFORATOR-MACHINE OPERATOR (print & pub.)	203.582-042
PHOTOENGRAVER (print. & pub.)	971.381-022
PHOTOENGRAVER, FINISHER (print. & pub.)	971.381-030
PHOTOENGRAVING PRINTER (print. & pub.)	971.381-034
PHOTOENGRAVING PROOFER (print. & pub.)	971.381-038
PHOTOGRAMMETRIST (profess. & kind.)	018.261-026
PHOTOGRAPHER, LITHOGRAPHIC (print. & pub.)	972.382-014
PHOTOGRAPHER, MOTION PICTURE (profess. & kind.)	143.062-022
PHOTOGRAPHER, PHOTOENGRAVING (electronics; print. & pub.)	971.382-014
PHOTOGRAPHER, STILL (profess. & kind.)	143.062-030
PHOTOGRAPHIC EQUIPMENT MAINTENANCE TECHNICIAN (photo. app.)	714.281-026
PHOTOGRAPHIC EQUIPMENT TECHNICIAN (photo. app.)	714.281-022
PHOTOGRAPHIC-PLATE MAKER (electronics)	714.381-018
PHOTOGRAPH RETOUCHER (photofinish)	970.281-018
PHYSICAL THERAPIST (medical serv.)	076.121-014
PIANO TECHNICIAN (any indus.)	730.381-038
PIANO TUNER (any indus.)	730.361-010
PINSETTER ADJUSTER, AUTOMATIC (sports equip.)	829.381-010
PIPE COVERER AND INSULATOR (ship & boat bldg. & rep.)	863.381-014
PIPEFITTER (const.)	862.381-018
PIPEFITTER (ship & boat bldg. & rep.)	862.261-010

PIPE ORGAN BUILDER (musical inst.)	730.281-042
PIPE ORGAN TUNER AND REPAIRER (any indus.)	730.361-014
PLANT OPERATOR, FURNACE PROCESS (bone, carbon, lampblack)	559.362-026
PLASTERER (const.)	842-361-018
PLASTER-PATTERN CASTER (aircraft-aerospace mfg.; mach. tools & access.)	777.381-038
PLASTIC-FIXTURE BUILDER (mach. shop)	601.381-030
PLASTICS BENCH MECHANIC (aircraft-aerospace mfg.; fabric plastics prod.)	604.381-018
PLASTIC TOOL MAKER (mach. shop)	601.381-026
PLATE FINISHER (print. & pub.)	659.360-010
PLATEN-PRESS OPERATOR (print. & pub.)	651.362-018
PLATER (electroplating)	500.380-010
PLUMBER (const.)	862.381-030
PNEUMATIC TESTER AND MECHANIC (aircraft-aerospace mfg.)	621.381-022
PNEUMATIC-TOOL REPAIRER (any indus.)	630.281-010
PNEUMATIC-TUBE REPAIRER (any indus.)	630.281-014
PODIATRIC ASSISTANT (medical serv.)	079.374-018
POTTERY-MACHINE OPERATOR (pottery & perc.)	774.382-010
POWERHOUSE MECHANIC (light, heat, & power)	631.261-014
POWER-PLANT OPERATOR (light, heat, & power)	952.382-018
POWER-SAW MECHANIC (any indus.)	625.281-030
POWER-TRANSFORMER REPAIRER (light, heat, & power)	821.361-034
PRECISION ASSEMBLER (aircraft-aerospace mfg.; electronics)	828.381-014

PRECISION ASSEMBLER, BENCH (aircraft-aerospace mfg.)	706.681-010
PRECISION LENS GRINDER (optical goods)	716.382-018
PRESS MAINTAINER (print. & pub.)	627.281-010
PRESS OPERATOR, HEAVY DUTY (any indus.)	617.260-010
PRINTER, PLASTIC (coated fabric; fabric plastics prod.)	651.382-026
PRINTER-SLOTTER OPERATOR (paper goods)	659.662-010
PRIVATE-BRANCH EXCHANGE INSTALLER (tel. & tel.)	822.381-018
PRIVATE-BRANCH EXCHANGE REPAIRER (tel. & tel.)	822.281-022
PROCESS ARTIST (print. & pub.)	972.281-010
PRODUCTION ENGINEER (profess. & kind.)	012.167-046
PROGRAMER, BUSINESS (profess. & kind.)	020.162-014
PROGRAMER, ENGINEERING AND SCIENTIFIC (profess. & kind.)	020.167-022
PROJECTION PRINTER (photofinish)	976.381-018
PROOF-PRESS OPERATOR (print. & pub.)	651.582-010
PROOFSHEET CORRECTOR (print. & pub.)	973.381-030
PROP MAKER (amuse. & rec.; motion pic.)	962.281-010
PROPULSION-MOTOR-AND-GENERATOR REPAIRER (auto. serv.)	721.281-026
PROSPECTING DRILLER (petrol. prod.)	930.382-018
PROSTHETICS TECHNICIAN (pers. protec. & medical dev.)	712.381-038
PROSTHETIST (pers. protec. & medical dev.)	078.261-022
PROTECTIVE SIGNAL INSTALLER (bus. serv.)	822.361-018
PROTECTIVE SIGNAL REPAIRER (bus. serv.)	822.361-022
PUMP ERECTOR (const.)	637.281-010

PUMPER-GAGER (chem.; petrol. refin.; pipe lines)	914.382-014
PUMP SERVICER (any indus.)	630.281-018
PURIFICATION OPERATOR (chem.)	551.362-010
QUALITY CONTROL INSPECTOR (cut. & tools)	701.261-010
QUALITY CONTROL TECHNICIAN (profess. & kind.)	012.261-014
RADIOGRAPHER (any indus.)	199.361-010
RADIOLOGIC TECHNOLOGIST (medical serv.)	078.362-026
RADIO MECHANIC (any indus.)	823.261-018
RADIO REPAIRER (any indus.)	720.281-010
RADIO STATION OPERATOR (aircraft-aerospace mfg.)	193.262-026
RECORDING ENGINEER (phonograph; radio & tv broad.)	194.362-010
RECOVERY OPERATOR (paper & pulp)	552.362-018
RECREATIONAL VEHICLE MECHANIC (trans. equip.)	620.281-087
REFRIGERATION MECHANIC (any indus.)	637.261-026
REFRIGERATION UNIT REPAIRER (refrig. equip.)	637.381-014
RELAY TECHNICIAN (light, heat, & power)	821.261-018
RELAY TESTER (light, heat, & power)	729.281-038
REPAIRER, HAND TOOLS (cut. & tools)	701.381-010
REPAIRER, HEAVY (auto. mfg.)	620.381-022
REPAIRER I (chem.)	630.261-018
REPAIRER, WELDING EQUIPMENT (welding)	626.381-022
REPRODUCTION TECHNICIAN (any indus.)	976.361-010
RESEARCH MECHANIC (aircraft-aerospace mfg.)	002.280-010
RETICLE INSPECTOR (electronics; inst. & app.; optical goods)	719.361-010

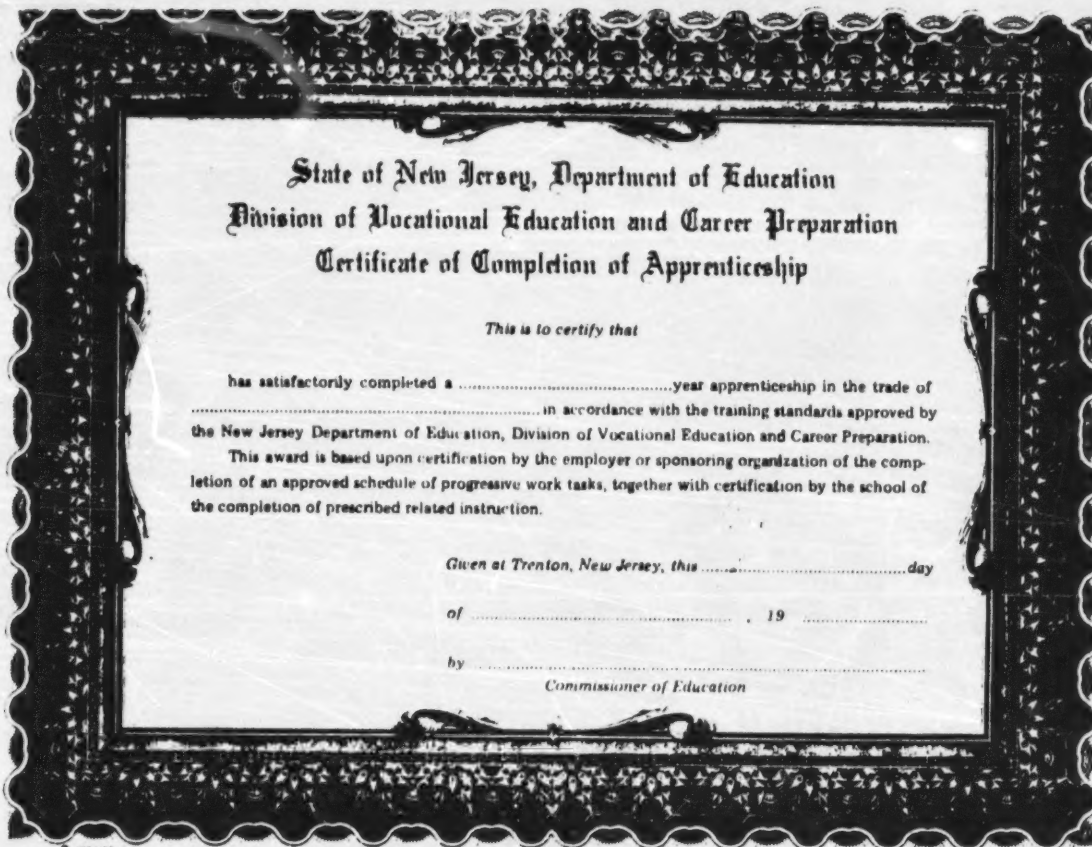
RETOUCHER, PHOTOENGRAVING (print. & pub.)	970.381-030
RIGGER (any indus.)	921.260-010
RIGGER (ship & boat bldg. & rep.)	806.261-014
ROCKET-ENGINE-COMPONENT MECHANIC (aircraft-aerospace mfg.)	621-281-030
ROCKET-ENGINE MECHANIC (aircraft-aerospace mfg.)	693.281-026
ROLLER ENGRAVER, HAND (print. & pub.)	979.681-018
ROLL THREADER OPERATOR (nut & bolt)	619.462-010
ROOFER (const.)	866.381-010
ROTOGRAVURE-PRESS OPERATOR (print. & pub.)	651.362-026
RUBBERIZING MECHANIC (any indus.)	630.281-030
RUBBER-STAMP MAKER (pen & pencil)	733.381-014
RUBBER TESTER (rubber goods; rubber tire & tube)	559.381-014
RUG CLEANER, HAND (clean. dye, & press.)	369.384-014
SADDLE MAKER (leather prod.)	783.381-026
SAFE-AND-VAULT SERVICE MECHANIC (bus. serv.; whole. tr.)	869.381-022
SALESPERSON, PARTS (ret. tr.; whole. tr.)	279.357-062
SAMPLE-BODY BUILDER (auto. mfg.)	693.380-014
SAMPLE MAKER, APPLIANCES (elec. equip.)	600.280-054
SAMPLE STITCHER (garment)	783.361-018
SANDBLASTER, STONE (stonework)	673.382-010
SAW FILER (any indus.)	701.381-014
SAW MAKER (cut. & tools)	601.381-034
SCALE MECHANIC (any indus.)	633.281-026
SCREW-MACHINE OPERATOR, MULTIPLE SPINDLE (mach. shop)	604.382-010

SCREW-MACHINE OPERATOR, SINGLE SPINDLE (mach. shop)	604.382-014
SCREW-MACHINE SET-UP OPERATOR, PRODUCTION (mach. shop)	604.380-022
SCREW-MACHINE SET-UP OPERATOR, SINGLE SPINDLE (mach. shop)	604.280-018
SERVICE MECHANIC (auto. mfg.)	807.381-022
SEWING-MACHINE REPAIRER (any indus.)	639.281-018
SHEET-METAL WORKER (any indus.)	804.281-010
SHIPFITTER (ship & boat bldg. & rep.)	806.381-046
SHIPWRIGHT (ship & boat bldg. & rep.)	860.381-058
SHOEMAKER, CUSTOM (boot & shoe)	788.381-014
SHOE REPAIRER (pers. serv.)	365.361-014
SHOP TAILOR (garment; ret. tr.)	785.361-022
SIDEROGRAPHER (print. & pub.)	979.381-030
SIGNAL MAINTAINER (rr. trans.)	822.281-026
SIGN ERECTOR I (signs)	869.381-026
SIGN WRITER, HAND (any indus.)	970.281-022
SILK-SCREEN CUTTER (any indus.)	979.681-022
SILVERSMITH (silverware)	700.281-022
SKETCH MAKER I (print. & pub.)	979.381-034
SKETCH MAKER II (print. & pub.)	972.381-018
SKIN FITTER (aircraft-aerospace mfg.; air trans.)	806.381-054
SMALL ENGINE MECHANIC (any indus.)	625.281-034
SOFT-TITLE SETTER (const.; ret. tr.)	861.381-034
SOLDERER (jewelry)	700.381-050

SOUND MIXER (motion pic.; phonograph; radio & tv broad.)	194.262-018
SOUND TECHNICIAN (any indus.)	829.281-022
SPINNER, HAND (any indus.)	619.362-018
SPRING COILING MACHINE SETTER (spring)	616.260-018
SPRING MAKER (spring)	616.280-010
SPRING-MANUFACTURING SET-UP TECHNICIAN (clock & watch)	619.280-018
SPRING REPAIRER, HAND (auto. serv.)	619.380-018
STAINED GLASS ARTIST (profess. & kind.)	142.061-054
STATIONARY ENGINEER (any indus.)	950.382-026
STATION INSTALLER-AND-REPAIRER (tel. & tel.)	822.261-022
STEAM SERVICE INSPECTOR (light, heat, & power)	862.361-022
STEEL-DIE PRINTER (print. & pub.)	651.382-030
STENCIL CUTTER (loco. & car bldg. & rep.)	970.381-038
STEREOTYPER (print. & pub.)	974.382-014
STOKER-ERECTOR-AND-SERVICER (any indus.)	637.281-014
STONE CARVER (stonework)	771.281-014
STONECUTTER, HAND (stonework)	771.381-014
STONE-LATHE OPERATOR (stonework)	674.662-010
STONEMASON (const.)	861.381-038
STONE POLISHER, MACHINE (stonework)	673.382-018
STONE SETTER (jewelry; optical goods)	700.381-054
STREET-LIGHT SERVICER (light, heat, & power)	824.381-010
STRIPPER (print. & pub.)	971.381-050
STRUCTURAL-STEEL WORKER (const.)	801.361-014

SUBSTATION OPERATOR (light, heat, & power)	952.362-026
SUPERCARGO (water trans.)	248.167-010
SURFACE-PLATE FINISHER (stonework)	775.281-010
SWITCHBOARD OPERATOR (light, heat, & power)	952.362-034
TANK SETTER (petrol. prod.)	801.361-022
TAP-AND-DIE MAKER TECHNICIAN (clock & watch)	601.280-034
TAPE-RECORDER REPAIRER (any indus.)	720.281-014
TAXIDERMIST (profess. & kind.)	199.261-010
TECHNICIAN, SUBMARINE CABLE EQUIPMENT (tel. & tel.)	822.281-034
TELEVISION-AND-RADIO REPAIRER (any indus.)	720.281-018
TELEVISION-CABLE INSTALLER (any indus.)	821.281-010
TEMPLATE MAKER (any indus.)	601.381-038
TEMPLATE MAKER, EXTRUSION DIE (mach. shop)	601.280-038
TERRAZZO WORKER (const.)	861.381-046
TEST ENGINE OPERATOR (petrol. refin.)	029.261-018
TESTING-AND-REGULATING TECHNICIAN (tel. & tel.)	822.261-026
THERMOMETER TESTER (inst. & app.)	710.384-030
TILE SETTER (const.)	861.381-054
TINTER (paint & varnish)	350.381-014
TOOL-AND-DIE MAKER (mach. shop)	601.280-046
TOOL DESIGNER (profess. & kind.)	007.061-026
TOOL-DRAWING CHECKER (aircraft-aerospace mfg.)	007.167-022
TOOL GRINDER I (any indus.)	701.381-018
TOOL GRINDER OPERATOR (mach. shop)	603.280-038
TOOL-MACHINE SET-UP OPERATOR (mach. shop)	601.280-054

TOOL MAKER (mach. shop)	601.280-042
TOOL MAKER, BENCH (mach. shop)	601.281-026
TRACTOR MECHANIC (auto. serv.)	620.281-058
TRANSFORMER REPAIRER (any indus.)	724.381-018
TRANSMISSION MECHANIC (auto. serv.) (Automotive Specialty Shops only)	620.281-062
TREATMENT-PLANT MECHANIC (waterworks)	630.281-038
TREE SURGEON (agric.)	408.181-010
TROUBLE LOCATOR, TEST DESK (tel. & tel.)	822.361-030
TROUBLE SHOOTER II (light, heat, & power)	821.261-026
TRUCK-BODY BUILDER (auto. mfg.; auto. serv.)	807.281-010
TRUCK-CRANE OPERATOR (any indus.)	921.663-062
TUNE-UP MECHANIC (auto. serv.)	620.281-066
TURBINE OPERATOR (light, heat, & power)	952.362-042
TURRET-LATHE SET-UP OPERATOR, TOOL (mach. shop)	604.280-022
UPHOLSTERER, INSIDE (furn.)	780.681-010
VIOLIN MAKER, HAND (musical inst.)	730.281-046
WALLPAPER PRINTER I (wallpaper)	652.662-014
WASTE-TREATMENT OPERATOR (chem.)	955.382-014
WASTEWATER-TREATMENT-PLANT OPERATOR (sanitary serv.)	955.362-010
WATCH REPAIRER (clock & watch)	715.281-010
WATER TREATMENT-PLANT OPERATOR (waterworks)	954.382-014
WEATHER OBSERVER (profess. & kind.)	025.267-014
WEB-PRESS OPERATOR (print. & pub.)	651.362-030
WELDER, ARC (welding)	810.384-014
WELDER, COMBINATION (welding)	819.384-010



SAMPLE CERTIFICATES



SAMPLE APPRENTICE REGISTRATION CARD

STATE OF NEW JERSEY -- DEPARTMENT OF EDUCATION TRENTON	
THIS IS TO CERTIFY THAT	
..... having entered into an approved agreement with the firm of	
located in..... New Jersey, has been registered with New Jersey Department of Education, in conformity with the State Plan for Vocational Education, as a bona fide apprentice in the following trade	
Date of Registration	Registration Number
DATE APPRENTICESHIP	Assistant Commissioner of Education
SIGNE.....	NJDE 521-10 (4/75)